

What is claimed is:

1. An innerliner for pneumatic tires, wherein the innerliner comprises a modified ethylene-vinyl alcohol copolymer (C) obtained by reacting 1-50 parts by weight of an epoxy compound (B) with 100 parts by weight of an ethylene-vinyl alcohol copolymer (A) having an ethylene content of 25-50 mol%.

2. The innerliner according to claim 1, wherein the epoxy compound (B) is glycidol or epoxyp propane.

3. The innerliner according to claim 1 or 2, wherein the ethylene-vinyl alcohol copolymer (A) has a degree of saponification of 90 % or more.

4. The innerliner according to claim 1 or 2, wherein the layer of the modified ethylene-vinyl alcohol copolymer (C) has an oxygen transmission rate at 20°C and at 65 % RH of 3.0×10^{-12} cm³·cm/cm²·sec·cmHg or less.

5. The innerliner according to claim 1 or 2, wherein the modified ethylene-vinyl alcohol copolymer (C) is crosslinked.

6. The innerliner according to claim 1 or 2, wherein the thickness of the layer of the modified ethylene-vinyl alcohol copolymer (C) is 50 μm or less.

7. The innerliner according to claim 1 or 2, further comprising an auxiliary layer (D) of an elastomer adjacent to the layer of the modified ethylene-vinyl alcohol copolymer (C).

8. The innerliner according to claim 7, wherein the layer of the modified ethylene-vinyl alcohol copolymer (C) is laminated

with the auxiliary layer (D) through at least one adhesive layer.

9. The innerliner according to claim 7, wherein the auxiliary layer (D) has an oxygen transmission rate at 20°C and at 65 % RH of $3.0 \times 10^{-9} \text{ cm}^3 \cdot \text{cm} / \text{cm}^2 \cdot \text{sec} \cdot \text{cmHg}$ or less.

10. The innerliner according to claim 7, wherein a butyl rubber or a halogenated butyl rubber is used in the auxiliary layer (D).

11. The innerliner according to claim 7, wherein a diene-based elastomer is used in the auxiliary layer (D).

12. The innerliner according to claim 7, wherein a thermoplastic urethane-based elastomer is used in the auxiliary layer (D).

13. The innerliner according to claim 7, wherein in the auxiliary layer (D), different auxiliary layers are laminated through at least one adhesive layer.

14. The innerliner according to claim 7, wherein the auxiliary layer (D) has a thickness of 50-1500 μm in total.

15. A pneumatic tire comprising the innerliner according to claim 1 or 2.

16. A pneumatic tire comprising the innerliner according to claim 7.

17. A pneumatic tire comprising the innerliner according to claim 8.

18. A pneumatic tire according to claim 17, wherein in the auxiliary layer (D) is designed so that in a region from

the end of each belt to a bead portion, a portion of the auxiliary layer (D) corresponding to a width of at least 30 mm in the radius direction is thicker by at least 0.2 mm than a portion of the auxiliary layer (D) corresponding to a portion of the auxiliary layer (D) under the belt.